

1 Amendments to the Claims:

2
3 This listing of claims will replace all prior versions and
4 listings of claims in the applications:

5
6 Claim 1. (Currently Amended) A data processing unit
7 for executing an encrypted software program, the data
8 processing unit comprising:

9 a processor for decrypting the encrypted software
10 program and for executing the software program, the
11 processor including an identifying number, the identifying
12 number being accessible only by the processor; and

13 a memory unit, the memory unit storing the decryption
14 procedure, the encrypted program being encrypted using at
15 least a portion of the identifying number;

16 wherein, when the processor is to execute the software
17 program, the software program is decrypted using ~~the at~~
18 ~~least a portion of the identifying number~~ the decryption
19 procedure along with the identifying number.

20
21 Claim 2. (Original) The data processing unit as recited
22 in claim 1 wherein the encrypted software program is stored
23 in the memory unit.

24
25 Claim 3. (Original) The data processing unit as recited
26 in claim 1 further comprising an external memory unit,
27 wherein the encrypted software program is stored in an
28 external memory unit.

1 Claim 4. **(Original)** The data processing unit as recited
2 in claim 1 wherein the identifying number is a serial
3 number.

4 Claim 5. **(Original)** The data processing unit as
5 recited in claim 1 wherein the identifying number is
6 associated with a plurality of data processing units.

7

8 Claim 6. **(Currently Amended)** A method for protecting
9 software programs, the method comprising:

10 providing a data processing unit with an identifying
11 number, the identifying number being accessible only by the
12 processing unit;

13 encrypting a software program external to the data
14 processing unit using at least a portion of the identifying
15 number; and

16 decrypting the encrypted software program prior for
17 execution of the software program by the data processing
18 unit using the identifying number and a decryption
19 procedure stored in the processing unit.

20

21 Claim 7. **(Cancelled)**

1 Claim 8. **(Currently Amended)** The method as recited in
2 claim 7 6 wherein the identifying number is a serial number
3 for the data processing unit.

4
5 Claim 9. **(Currently Amended)** The method as recited in
6 claim 7 6 wherein the encrypted software program is stored
7 external to the data processing unit.

8
9 Claim 10. **(Currently Amended)** The method as recited in
10 claim 7 6 wherein the encrypted program is stored in the
11 data processing unit.

12
13 Claim 11. **(Currently Amended)** A data processing system,
14 the system comprising:

15 a host data processing unit, the data processing unit
16 including an identifying number stored therein, the
17 identifying number being accessible only by the data
18 processing unit, the host processing unit encrypting a
19 software program using at least a portion of the
20 identifying number; and

21 a ~~decryption~~ target data processing unit, the
22 ~~decryption~~ target data processing unit decrypting software
23 programs with a software procedure using a decryption key
24 based on the identifying number;

25 wherein the data processing unit decodes an encrypted
26 software program applied thereto using the decryption key.

1 Claim 12. **(Currently Amended)** The system as recited in
2 claim 11 wherein the identifying number is a serial number
3 for the data processing unit ~~serial number~~.

4
5 Claim 13. **(Currently Amended)** The system as recited in
6 claim 11 further comprising a memory unit external to the
7 target data processing unit, the memory unit storing
8 encrypted software programs.

9
10 Claim 14. **(Currently Amended)** The system as recited in
11 claim 11 further comprising a memory unit in the target
12 data processing unit, the memory unit storing encrypted
13 software programs prior to decryption.

14
15 Claim 15. **(Currently Amended)** The system as recited in
16 claim 11 wherein an encrypted program is decrypted as an
17 entity or on the fly prior to execution of the software
18 program by the target data processing unit.

19
20 Claim 16. **(Cancelled)**

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22 Claim 17. **(Cancelled)**

23
24 Claim 18. **(Currently Amended)** The system as recited in
25 claim 15 wherein decrypted portions of the software program
26 are stored in a protected memory unit accessible to only
27 the ~~associated~~ target data processing unit.

1 Claim 19. **(Currently Amended)** The A method for
2 protecting an execution of a software file, the method
3 comprising:

4 providing a target processor ~~having~~ with an
5 identifying/serial number accessible only to the target
6 processor;

7 encrypting the software file using at least a portion
8 of the identifying/serial number; ~~and~~

9 applying the encrypted software file to the target
10 processor;

11 decrypting the encrypted software file using a
12 decryption procedure stored in the target processor and the
13 identifying/serial number.

14

15 Claim 20. **(Cancelled)**

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17 Claim 21. **(Currently Amended)** An apparatus for secure
18 transfer of software files, the apparatus comprising:

19 a first processor, the first processor having a
20 program for encrypting a software file using an
21 identifying/serial number; and

22 a second processor, the second processor having a
23 ~~program~~ decryption procedure for decrypting software files
24 using at least a portion of an identifying/serial number
25 stored in the second processor, the stored
26 identifying/serial number being accessible only to the
27 ~~target~~ second processor;

28 ~~wherein the first processor encrypts the software file~~
29 ~~using a copy of the at least a portion of the~~
30 ~~identifying/serial number.~~

1
2 Claim 22. **(Cancelled)**
3
4 Claim 23. **(Currently Amended)** The apparatus as recited
5 in claim ~~22~~ 21 wherein the at least a portion of the
6 identifying/serial number is accessed by the first
7 processor based on an indicia of the second processor.
8
9 Claim 24. **(Original)** The apparatus as recited in claim
10 21 wherein an encrypted software file is stored in an
11 unsecured storage unit.
12
13 Claim 25. **(Currently Amended)** The apparatus as recited
14 in claim ~~24~~ 24 wherein the encrypted software file is
15 stored in an unsecured storage unit prior to decryption.